

Woren Wire Fence (Min. 141/2 Gouge, Max. 6"
Mesh sporing). With Filter Stoph over.

36" Min. Fence Posts, driven min.
16" into ground.

16" Min.

SILT FENCE DETAIL (9)

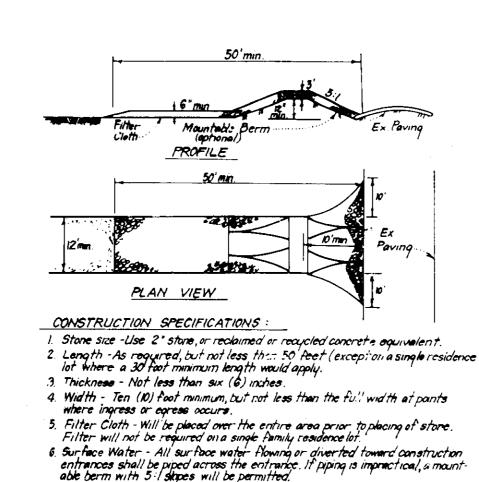
SECTION

POSTS: Steel either Tor L'Type or 2 " Hard wood.
FENCE: Woven Wire, 1412 Gage G" Max. Most Opening.

FILTER CLOTH: Filter & Mirati MOX

PREFABRICATED UNIT: Geofab, Envirofence, or Approv. equal.

Stablinka, TI 40N or Approv. equal.



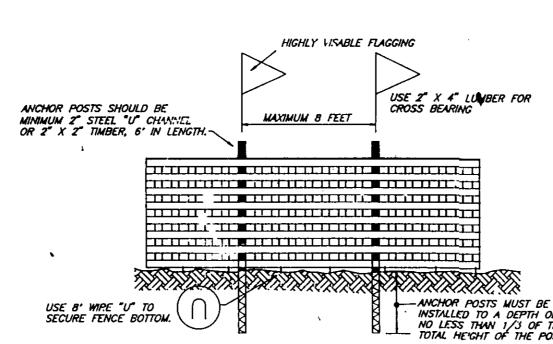
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment anto public rights -of-way. This

may require periodic top dressing with additional stone as conditions demand and repair and a cleanout of any measures used to trap sediment. All sediment spilled, drapped, washed or tracked onto public rights-of-way must be removed immediately.

8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights -of -way. When washing is required, it shall be done on an area stabilized with Istone and which drains into an approved sediment

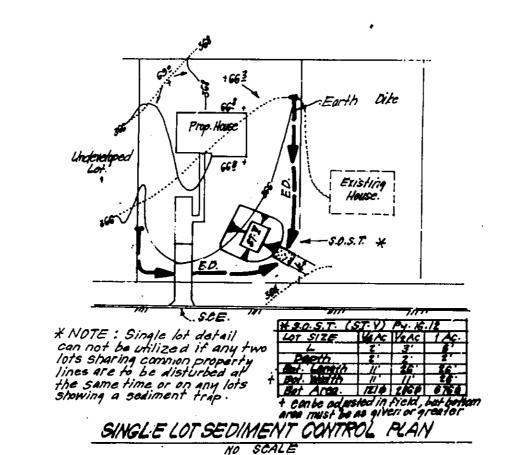
9. Periodic inspection and needed maintenance shall be provided after each rain

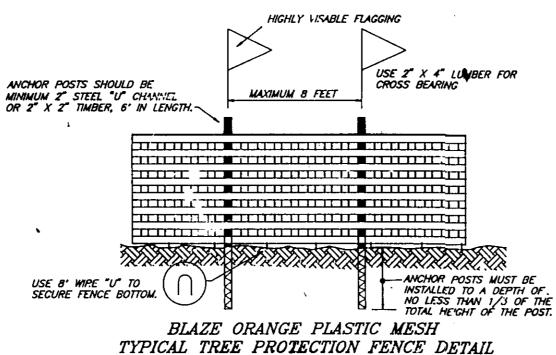
STABILIZED CONSTRUCTION ENTRANCE (SCE)



 Forest protection device only.
 Retention area will be set as part of the review process.
 Boundaries of retention area should be staked and flagged prior to installing device. Root damage should be avoided. Protection signage may also be used.

Device should be maintained throughout construction.





PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

- SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules: 1) Preferred- Apply 2 tons per acre dolomitic limestone (92 lbs/100 sgft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq.ft.)
- 2) Acceptable- Apply 2 tons per acre dolomatic limestone (92 lbs/1000 sg ft.) and 1000 lbs. per acre 10-10-10- fertilizer (23 lbs./1000 sg ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 601 ps per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru 1, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs per acre 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphilt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gai/1000 sq ft) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, repaicements and

TEMPORARY SEEDING NOTES

SEEDBED PREPARARTION: Loosen upper three inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14lbs/1000 sq ft). SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod. MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 fect or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

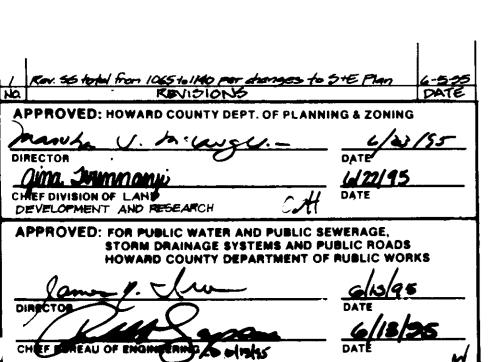
SEDIMENT AND EROSION CONTROL NOTES

- 1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permi's prior to the start of any construction. (313-1855).
- 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control stuctures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol.1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm
- Drainage.
 5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec.51) sod (Sec.54), temporary seeding (Sec.50) and mulching (Sec 52). Temporary stabilization with in alone can only be done when recommended seeding dates do not allow for proper germination and establishment of
- 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County
- Sediment Control Inspector. 7. SITE ANALYSIS: Total Area of Site: Area Disturbed: Area to be roofed or paved: Area to be vegetatively stabilized.
- Offsite Waste/Borrow 'rea Location. 8. Any sediment control practice which is disturbed by grading ac'ivity for placement of utilities must be repaired on the
- same day of disturbance. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.

 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading.

 Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency
- All pipes to be blocked at the end of each day (see detail
- The total amount of silt fence=____ The total amount of Super Silt Fence = 1140 l.f.
- # It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

Obtain grading permit	7
Install tree protection fence.	7
Install sediment and erosion control devices and stabilize.	14
Excavate for foundations, rough grade and temporarily stabilize	30
Construct structures, sidewalks and driveways.	60
Final grade and stabilize in accordance with Stds. and Specs.	· 14
Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7



CONSTRUCTION SPECIFICATIONS:

LUNSTRUCTION STELLIFICATIONS.

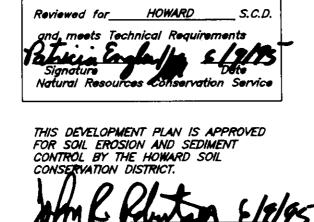
1. We were wire fence to be fastened securely to fence posts with wire fies or staples.

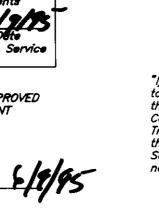
2. Filter Cloth to be fastened securely to moven wire fence with ties spaced every 24" at top and mid section.

3. When 2 sections of filter cloth adjoin each other they shall be everlapped by 6" and folded.

4. Maintenance shall be performed as needed and moterial removed when "bulges" develop in Silt Fence.

5. Silt Fence to be staked at 3' to 5' intervals.





DEVELOPER'S /BUILDER'S CERTIFICATE *I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on—site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed 4-14-95



ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and

Erosion Control represents a practical and workable

plan based on my personal knowledge of the site

conditions and that it was prepared in accordance

with the requirements of the Howard Soil Conservation





CLARK • FINEFROCK & SACKETT, INC. **ENGINEERS • PLANNERS • SURVEYORS** 7135 MINSTREL WAY . COLUMBIA, MD. 21045 . (301) 381-7500 - BALTO. . (301) 621-8100 - WASH. DESIGNED SEDIMENT \$ EROSION CONTROL DETAILS /**"**= **3**0 LOTS 117 thru 125 KIWM COLUMBIA DRAWING DRAWN VILLAGE OF RIVER HILL 3 OF 3 MCR SECTION 2 AREA 4 JOB NO. CHECKED 5TH ELECTION DISTRICT 95-059 KM HOWARD COUNTY, MARYLAND FILE NO. FOR: HALLMAKK BUILDERS, INC. DATE P.O. Box 1018 6-6-95 95-059% Columbia, Maryland 21044

OWNER/DEVELOPER

10275 Little Potuxent Parkway Columbia, Maryland 21044

HOWARD RESEARCH AND DEVELOPMENT CORP.